Memorial University of Newfoundland

Residence Wired Connection Installation Manual

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Department of Computing and Communications
Memorial University of Newfoundland
St. John's, Newfoundland
A1C 5S7

Introduction

This document will take you through the process of configuring your personal computer to work with the wired ports in Residence.

Who should use this document?

This document should be used only by MUN students who wish to use wired ports in Residence and have the Windows XP operating system.

Help

For assistance during the configuration process please contact:

> Computing and Communications Help Centre
> Phone: 737-4595
> E-mail: help@mun.ca
> Hours: 8:30am - 5:00pm (fall & winter); 8:30 - 4:30 (summer)

Requirements

- A computer running Windows XP with Service Pack 2 (SP2) or Service Pack 3 (SP3).
- A network interface card that supports IEEE 802.1x authentication with the latest drivers installed.
- Your account credentials, which can be generated through the Device Authorization Tool (DAT) at www.mun.ca/cc. These credentials are used for both wired and wireless access on campus, so if you already have a wireless account then you know your user name and password. Remember, you must be a current MUN student to submit the DAT form.

Configuration

1. Plug in your computer cable to the port in your computer, and connect the other end to the network port on your wall.

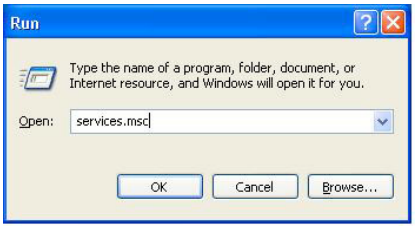
2. On your computer click **Start** > **Control Panel** and in the new window that appears double-click **Network Connections**

3. Right click the **Local Area Connection** icon that corresponds to your network interface card and select **Properties**.

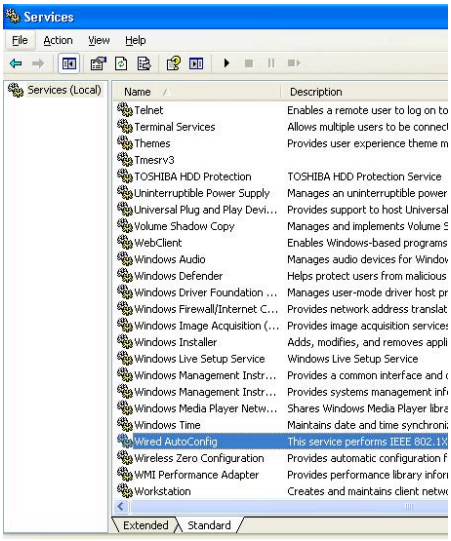
4. Verify that you have the **Authentication** tab – it should be located next to the **General** tab. Click the tab if you do have it and jump ahead to Step 9.

If you do not have the **Authentication** tab, move on to Step 5.

5. Click **Start** > **Run** and in the Run window type *SERVICES.MSC* and click **OK**.

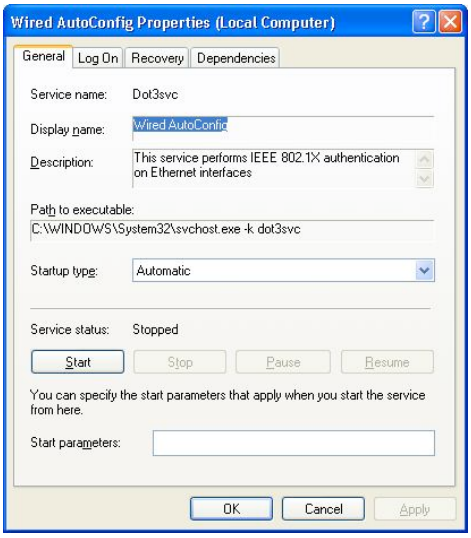


6. In the **Services** window locate the **Wired AutoConfig** service, it should be near the bottom of the list. Right click **Wired AutoConfig** and select **Properties**.



7. In the new window click the **Startup type:** drop down box and select **Automatic.** Click **OK** to save the change.

Now close all windows, and restart your computer.



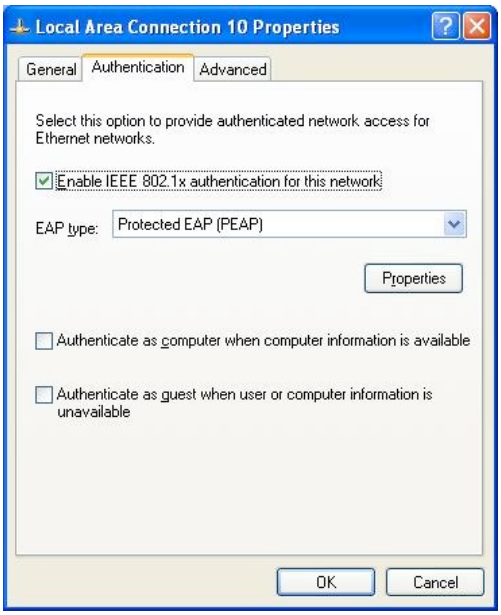
8. When your computer has restarted, return to Step 1 and try the steps again.

If the **Authentication** tab has not appeared after attempting the first 7 steps again, contact the C&C Help Centre or Housing Computer Support for further assistance.

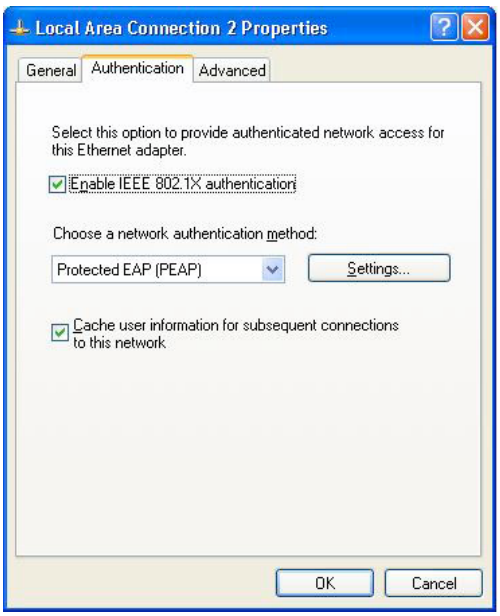
9. The **Authentication** tab will have a different appearance depending on SP2 or SP3, as depicted in the labeled images – the options are slightly different.

- Place a check next to **Enable IEEE 802.1x authentication**
- In the drop down box below that select **Protected EAP (PEAP).**
- If available, check the box labeled **Cache user information for subsequent connections to this network** to save your user name and password for automatic login. If you leave it unchecked you will be prompted for your user name and password each time.
- If available, uncheck **Authenticate as computer when computer information is available** and **Authenticate as guest when user or computer is unavailable**.

Windows XP SP 2

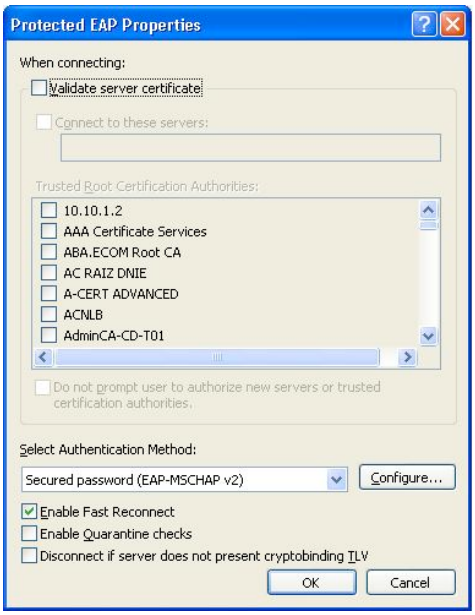

Local Area Connection 10 Properties
General
Authentication
Advanced
Select this option to provide authenticated network access for Ethernet networks.
Enable IEEE 802.1x authentication for this network
EAP type:
Protected EAP (PEAP)
Properties
Authenticate as computer when computer information is available
Authenticate as guest when user or computer information is unavailable
OK
Cancel

Windows XP SP3



10. Now click the button labeled **Properties** or **Settings** next to the **Protected EAP (PEAP)** drop down box.

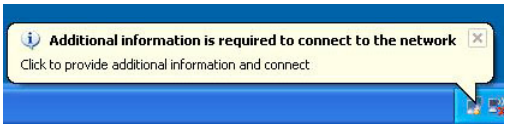
11. On the **Protected EAP Properties** window uncheck **Validate server certificate**, and under "Select Authentication Method" choose **Secured password (EAP-MSCHAP v2)**



12. Click the **Configure** button located next to the "Select Authentication Method" drop down box.

13. Uncheck **Automatically use my Windows logon name and password (and domain if any)**. Click **OK** to the three windows on your screen.

14. A balloon should now appear prompting you to enter your user name and password. Click this balloon.



15. Enter your **User name**, **Password**, and leave the **Logon domain** text box empty.

Click **OK** to connect.